

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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May 7, 2004

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Instruction Memorandum No. NV-2004-054
Expires: 09/30/2005

To: Field Managers, Nevada
Attention: GIS Users and Minerals Staff

From: State Director, Nevada

Subject: 3809 Notices Field Data Collection Standard

This Instruction Memorandum transmits the final data standard for the collection of 3809 Notices Field Data using Global Positioning System equipment. The Nevada State Office, Field Offices, and Field Stations will abide by the requirements of the 3809 Notices Field Data Collection Standard, as described in Attachment 1. Benefits of this standard include:

- Compliance with WO-IM-2003-042
- Improved Accuracy of LR2000 data
- Consistent statewide 3809 Notices Field Data
- Expanded Geographic Information System (GIS) analytical capabilities
- Increased efficiency when sharing and merging data

This standard incorporates portions of the Abandoned Mine Land standard data elements, and the standardized 3809 Inspection Form. Collection of 3809 field data using this standard provides a mechanism to allow linking of field data to data queried from LR2000. This will also allow the field specialist to verify the accuracy of related LR2000 data, and increase the analytical capability and utility of the 3809 Notices Field Data in the GIS. Standardizing the data attributes will allow us to easily merge field office data into statewide data sets and meet our data sharing and exchange commitments with our partners.

For further information please contact Caleb Hiner, Battle Mountain Field Office, at (775) 635-4052 or Marguerite McKee, Nevada State Office, at (775) 861-6519.

Signed by:
Amy L. Lueders
Associate State Director, Nevada

Authenticated by:
Pamela Collins

1 Attachment

1. 3809 Notices Field Data Collection Standard (9 pp)

3809 Notices Field Data Collection Standard – POINTS

Attribute Data Element	Input Width	Output Width	Type	Data Element Source-#
Case_num	18	18	Character	--
Cust_num	30	30	Character	CR-2913
Date	8	8	Date	MC-2909
Type	20	20	Character	--
Projname	40	40	Character	AML
Photo_num	4	4	Numeric	--
Recl_stat	20	20	Character	--
Hazmat_type	20	20	Character	--
Equip_cond	20	20	Character	--
Veg_cond	20	20	Character	AML
Reveg_evid	20	20	Character	AML
Rcvr_type (GPS)	36	36	Character	AML
Comments	32	32	Character	--

For all data elements (items) and domain values use first character and proper name capitalization as indicated in the Data Element and Domain Values tables in this standard.

Case_num

Attribute Data Element: Case_num 18 18 Character
 Description: Case File Number
 Definition: The unique identifier (primary key) - The Case File Number which may be used to establish links to other databases.

Cust num

Attribute Data Element: Cust_nm 30 30 Character
 Description: Customer Name
 Definition: Name of company, corporation, or operator.

Date

Attribute Data Element: Date 8 8 Date
 Description: Action Date
 Definition: Date inspection was performed and/or data was collected.

Type

Attribute Data Element: Type 20 20 Character
 Description: Type of feature point
 Definition: Type of location represented by the GPS point. This field will use the following values: Drill Hole, Shaft, Adit, Haz-Mat, Equipment, Headframe, Piezometer, Monitor Well, Water Well, Culvert, Gate-locked, Gate-unlocked, Cattleguard, Sump, Picture, or Other. If “Other” is used, provide clarification in the “Comments” field.

Projname

Attribute Data Element: Projname 40 40 Character
Description: Project Name
Definition: Indicates the appropriate Bureau of Land Management project name.

Photo_num

Attribute Data Element: Photo_num 4 4 Numeric
Description: Photo Number
Definition: Indicates the index number of the photo that corresponds to the site under inspection. Information such as roll number, azimuth, or other descriptive information may be added to the comments field. This field may be left blank.

Recl_stat

Attribute Data Element: Recl_stat 20 20 Character
Description: Reclamation Status
Definition: Indicates the reclamation status of the point feature. This field will use the following values: Plugged (default), Unplugged-wet, Unplugged-dry, Reclaimed, Partly Reclaimed, or Unreclaimed.

Hazmat_type

Attribute Data Element: Hazmat_type 20 20 Character
Description: Hazardous Material Type
Definition: Indicates the type of hazardous material present. This field will use the following values: Unlabeled Chemical, Labeled Chemical, Hydrocarbons, Explosives, Other. If "Other" is used, provide clarification in the "Comments" field.

Equip_cond

Attribute Data Element: Equip_cond 20 20 Character
Description: Equipment Condition
Definition: Condition of equipment present. This field will use the following values: Good, Fair, or Poor. This field may be left blank.

Veg_cond

Attribute Data Element: Veg_cond 20 20 Character
Description: Vegetation Condition
Definition: Description of the vegetation after assessing the condition of the vegetation on the majority of the site. The vegetation on the site is being compared to vegetation on the adjacent undisturbed lands. This field will use the following values: Desirable-Mature, Desirable-New, Undesirable, Unknown, or Nonexistent. Desirable-

Mature means healthy, self-sustaining vegetation is present. Desirable-New means there is evidence of new desirable vegetation. Undesirable means that non-native or invasive species is present. Details about undesirable species can be documented in the “Comments” field. Unknown should only be used when vegetation is dormant or covered with snow. Nonexistent means that there is no vegetation present.

Reveg_evid

Attribute Data Element:	Reveg_evid	20	20	Character
Description:	Revegetation Evidence			
Definition:	Natural revegetation is present when nature (wind, water, or/and animals) has transported the seeds necessary to reestablish vegetative cover on a previously disturbed area. This field will use the following values: Yes, No, or Unknown.			

Rcvr_type

Attribute Data Element:	Rcvr_type	36	36	Character
Description:	Global Positioning System (GPS) Receiver Type			
Definition:	GPS receiver type that was used to collect the positional information for the site. Indicate the specific name of the GPS unit. (Example: Trimble GeoExplorer 3, Garmin e-Trex Legend, etc...).			

Comments

Attribute Data Element:	Comments	32	32	Character
Description:	Comments			
Definition:	Additional relevant information about the site.			

3809 Notices Field Data Collection Standard – LINES

Attribute Data Element	Input Width	Output Width	Type	Data Element Source - #
Case_num	18	18	Character	--
Cust_nm	30	30	Character	CR-2913
Date	8	8	Date	MC-2909
Type	20	20	Character	--
Projname	40	40	Character	AML
Photo_num	4	4	Numeric	--
Road_work	20	20	Character	--
Road_type	20	20	Character	--
Gen_slope	20	20	Character	AML
Road_width_ft	10	10	Numeric	--
Recl_status	20	20	Character	--
Veg_cond	20	20	Character	AML
Reveg_evid	20	20	Character	AML
Rcvr_type (GPS)	36	36	Character	AML
Comments	32	32	Character	--

For all data elements (items) and domain values use first character and proper name capitalization as indicated in the Data Element and Domain Values tables in this standard.

Case_num

Attribute Data Element: Case_num 18 18 Character
 Description: Case File Number
 Definition: The unique identifier (primary key) - The Case File Number which may be used to establish links to other databases.

Cust_nm

Attribute Data Element: Cust_nm 30 30 Character
 Description: Customer Name
 Definition: Name of company, corporation, or operator.

Date

Attribute Data Element: Date 8 8 Date
 Description: Action Date
 Definition: Date inspection was performed and/or data was collected.

Type

Attribute Data Element: Type 20 20 Character
 Description: Type of feature line
 Definition: Type of location represented by the GPS line. For roads, the centerline will be collected. This field will use the following values: Trench, Road, Utility Corridor, Fence, Diversion Channel, or Other. If “Other” is used, provide clarification in the “Comments” field.

Projname

Attribute Data Element: Projname 40 40 Character
Description: Project Name
Definition: Indicates the appropriate Bureau of Land Management project name.

Photo_num

Attribute Data Element: Photo_num 4 4 Numeric
Description: Photo Number
Definition: Indicates the index number of the photo that corresponds to the site under inspection. Information such as roll number, azimuth, or other descriptive information may be added to the comments field. This field may be left blank.

Road_work

Attribute Data Element: Road_work 20 20 Character
Description: Road Work
Definition: Indicates the road work as defined on the 3809 Inspection Form. This field will use the following values for each road segment: Building, Cross Country, Maintenance, Unmodified, or Other. If "Other" is used, provide clarification in the "Comments" field.

Road_type

Attribute Data Element: Road_type 20 20 Character
Description: Road Type
Definition: Indicates the type/purpose of the road. This field will use the following values for each road segment: Existing, Expl Spur, Haul, Access, 2-track, or Other. If surface material (gravel/paved) is required, or "Other" is used, provide clarification in the "Comments" field.

Gen_slope

Attribute Data Element: Gen_slope 20 20 Character
Description: General Slope
Definition: The general slope is the appropriate slope description best describing the average slope for the entire site. This field will use the following menu values: 0-10 degrees, 11-35 degrees, or greater than 35 degrees.

Rd_width_ft

Attribute Data Element: Rd_width_ft 10 10 Numeric
Description: Road Width Measured in Feet
Definition: Width of the driving surface of the road segment in feet.

Recl_status

Attribute Data Element:	Recl_status	20	20	Character
Description:	Reclamation Status			
Definition:	Indicates the reclamation status of the line feature. This field will use the following values: Unreclaimed, Partly Reclaimed, Revegetation Needed, or Reclaimed. If “Unreclaimed” is used, provide clarification in the “Comments” field.			

Veg_cond

Attribute Data Element:	Veg_cond	20	20	Character
Description:	Vegetation Condition			
Definition:	Description of the vegetation after assessing the condition of the vegetation on the majority of the site. The vegetation on the site is being compared to vegetation on the adjacent undisturbed lands. This field will use the following values: Desirable-Mature, Desirable-New, Undesirable, Unknown, or Nonexistent. Desirable-Mature means healthy, self-sustaining vegetation is present. Desirable-New means there is evidence of new desirable vegetation. Undesirable means that non-native or invasive species is present. Details about undesirable species can be documented in the “Comments” field. Unknown should only be used when vegetation is dormant or covered with snow. Nonexistent means that there is no vegetation present.			

Reveg_evid

Attribute Data Element:	Reveg_evid	20	20	Character
Description:	Revegetation Evidence			
Definition:	Natural revegetation is present when nature (wind, water, or/and animals) has transported the seeds necessary to reestablish vegetative cover on a previously disturbed area. This field will use the following values: Yes, No, or Unknown.			

Rcvr_type

Attribute Data Element:	Rcvr_type	36	36	Character
Description:	Global Positioning System (GPS) Receiver Type			
Definition:	GPS receiver type that was used to collect the positional information for the site. Indicate the specific name of the GPS unit. (Example: Trimble GeoExplorer 3, Garmin e-Trex Legend, etc...).			

Comments

Attribute Data Element:	Comments	32	32	Character
Description:	Comments			
Definition:	Additional relevant information about the site.			

3809 Notices Field Data Collection Standard – POLYGONS

Attribute Data Element	Input Width	Output Width	Type	Data Element #
Case_num	18	18	Character	--
Cust_nm	30	30	Character	CR-2913
Date	8	8	Date	MC-2909
Type	20	20	Character	--
Projname	40	40	Character	AML
Photo_num	4	4	Numeric	--
Recl_status	20	20	Character	--
Property	20	20	Character	--
Struct_con	20	20	Character	AML
Veg_cond	20	20	Character	AML
Reveg_evid	20	20	Character	AML
Rcvr_type (GPS)	36	36	Character	AML
Comments	32	32	Character	--

For all data elements (items) and domain values use first character and proper name capitalization as indicated in the Data Element and Domain Values tables in this standard.

Case_num

Attribute Data Element: Case_num 18 18 Character
 Description: Case File Number
 Definition: The unique identifier (primary key) - The Case File Number which may be used to establish links to other databases.

Cust_nm

Attribute Data Element: Cust_nm 30 30 Character
 Description: Customer Name
 Definition: Name of company, corporation, or operator.

Date

Attribute Data Element: Date 8 8 Date
 Description: Action Date
 Definition: Date inspection was performed and/or data was collected.

Type

Attribute Data Element: Type 20 20 Character
 Description: Type of feature polygon
 Definition: Type of location represented by the GPS polygon. This field will use the following values: Disturbance Area, Pit, Structure, Waste Rock Pile, Stock Pile, Tailings Impoundment, Heap Leach Pad, Pond, Landfill, Drill Pad, Trench, Sump or Other. If “Other” is used, provide clarification in the “Comments” field.

Projname

Attribute Data Element: Projname 40 40 Character
Description: Project Name
Definition: Indicates the appropriate Bureau of Land Management project name.

Photo_num

Attribute Data Element: Photo_num 4 4 Numeric
Description: Photo Number
Definition: Indicates the index number of the photo that corresponds to the site under inspection. Information such as roll number, azimuth, or other descriptive information may be added to the comments field. This field may be left blank.

Recl_status

Attribute Data Element: Recl_status 20 20 Character
Description: Reclamation Status
Definition: Indicates the reclamation status of the polygon feature. This field will use the following values: Unreclaimed, Partly Reclaimed, Reclaimed, Revegetation Needed, or Erosion. If “Unreclaimed” or “Erosion” is used, provide clarification in the “Comments” field.

Property

Attribute Data Element: Property 20 20 Character
Description: Property
Definition: Indicates occupancy of the property according to 43 CFR 3715 “Use and Occupancy under Mining Laws”. This field will use the following values: Present Authorized, Present Unauthorized, Not Present, or Abandoned.

Structure_con

Attribute Data Element: Structure_con 20 20 Character
Description: Structure Condition
Definition: Assesses the condition of the majority of the structures found on site. This field will use the following values: Good, Fair, or Poor. Good means structures are intact and appear to be competent and sound. Fair means structures are still standing and pose no threat to the public. Poor means structures are in impending danger of falling down and pose a threat to public safety, or have already collapsed.

Veg_cond

Attribute Data Element: Veg_cond 20 20 Character
Description: Vegetation Condition
Definition: Description of the vegetation after assessing the condition of the vegetation on the majority of the site. The vegetation on the site is being compared to vegetation on the adjacent undisturbed lands.

This field will use the following values: Desirable-Mature, Desirable-New, Undesirable, Unknown, or Nonexistent. Desirable-Mature means healthy, self-sustaining vegetation is present. Desirable-New means there is evidence of new desirable vegetation. Undesirable means that non-native or invasive species is present. Details about undesirable species can be documented in the “Comments” field. Unknown should only be used when vegetation is dormant or covered with snow. Nonexistent means that there is no vegetation present.

Reveg_evid

Attribute Data Element:	Reveg_evid	20	20	Character
Description:	Revegetation Evidence			
Definition:	Natural revegetation is present when nature (wind, water, or/and animals) has transported the seeds necessary to reestablish vegetative cover on a previously disturbed area. This field will use the following values: Yes, No, or Unknown.			

Rcvr_type

Attribute Data Element:	Rcvr_type	36	36	Character
Description:	Global Positioning System (GPS) Receiver Type			
Definition:	GPS receiver type that was used to collect the positional information for the site. Indicate the specific name of the GPS unit. (Example: Trimble GeoExplorer 3, Garmin e-Trex Legend, etc...).			

Comments

Attribute Data Element:	Comments	32	32	Character
Description:	Comments			
Definition:	Additional relevant information about the site.			